



471320

October 14, 1988

Nancy Justus
U.S. Environmental Protection Agency
230 South Dearborn Street
Chicago, Illinois 60604

Nancy:

Answer to following environmental questions are as follows:

- 1) Ron Calvin - Kendallville, Indiana
Floyd Smock - Albion, Michigan
- 2) N/A
- 3) Copies attached see below.
- 4) EPA - B1533 Air Surveillance
- 5) None
- 6) None
- 7) None
- 8) No
- 9) None
- 10) No
- 11) None
- 12) (A) Agent we are aware of during this period.
Craft Insurance
750 W. Michigan
Jackson, Michigan 49201
B) Unknown
C) Unknown
D) Unknown
E) Unknown
- 13) Taxes - See attached.
- 14) Same as #13
- 15) Plant closed no assets or liabilities.
- 16) None
- 17) None
- 18) Managers and shareholders prior to closing were Ron Calvin and
Floyd Smock.

U.P.H. PRO
H. 312-824 0181



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460
OFFICE OF SOLID WASTE

Mr. Ron Calvin
Ideal Castings Co.
900 North Clark Street
Albion, MI 49225

OFFICE OF WATER
AND WASTE MANAGEMENT

Dear Mr. Calvin:

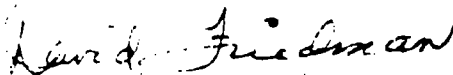
On July 28, 1980 our contractor visited your company's foundry at 900 North Clark Street, Albion, Michigan 49225 and collected a sample of the dry solids from the quencher equipped Cupola Venturi. This sample was collected for use in determining if emissions control residuals from gray and ductile iron foundries are hazardous wastes within the meaning of Section 3001 of the Resource Conservation and Recovery Act of 1976 (PL 94-580).

Upon analyzing these samples we obtained the results shown in the attachment. The sample collected at your foundry did not meet the definition of an Extraction Procedure Toxicity hazardous waste (40 CFR Part 261.24).

A report is being prepared summarizing the results of this sampling program. This report will not identify which specific foundries were sampled. When the report is ready for public distribution, I will have a copy sent to you for your comments.

Again let me thank you for the assistance and cooperation you gave us in this study. If you have any questions concerning these results or if I can assist you in any other way please feel free to give me a call at 202-755-9187.

Sincerely,



David Friedman
Manager
Waste Analysis Program
Waste Characterization Branch

Enclosure

Letter

DATA FROM IDEAL CASTINGS COMPANY

	Composition (mg/Kg)	EP Extract Concentration (mg/L)	
			Limits
Aluminum	4077	3.62	
Arsenic	103	BD	5.0
Boron	237	0.25	
Barium	106	0.33	100.
Beryllium	BD	BD	
Calcium	13776	139	
Cadmium		0.21	1.0
Cobalt	BD	BD	
Chromium	122	0.05	5.0
Copper	218	0.12	100.
Iron	BD	0.90	
Magnesium	1215	9.05	
Molybdenum	BD	BD	
Nickel	52.4	0.78	
Lead	441	0.30	5.0
Antimony	286	0.39	
Vanadium	39.0	BD	
Zinc	820	4.62	500.
Mercury			.2
Sel			1.0

Letter



Residuals Management Technology, Inc.

Great Lakes Office
P.O. Box 447
Grand Ledge, Michigan 48837
(517) 627-3991

October 2, 1984

Ideal Casting Co.
900 N. Clark Street
Albion, MI 49224

Attention: Mr. Ronald Calvin

Dear Ron:

Enclosed please find the final laboratory reports for sludge from Cupola Drag Tank Emission Control, slag from Cupola and Cupola Lining, and Throw-away Green Sand from Didion Drum. These reports are the final copies of the results we discussed in our meeting on September 11, 1984.

If you have any questions concerning these reports please contact me at your convenience.

Very truly yours,

Brent A. King/tck

Brent A. King
Project Engineer

BAK/tck

Enclosure

cc: Floyd Smock, Ideal Casting Co.
RMT, Madison

RESIDUALS MANAGEMENT TECHNOLOGY, INC.

LABORATORY REPORT

CLIENT: Ideal Castings

DATE: 9/17/84

PROJECT #: 234.01

P.O. #: 7149

SAMPLE #: 7577

SAMPLE DESCRIPTION: Sludge from Cupola Drag Tank Emission Control
(7/24/84)

EP TOXICITY TEST

WEIGHT USED: 100.0 grs.

FINAL PH: 5.1

ACID USED: 195 mls

<u>PARAMETER</u>	<u>RESULT (mg/l)</u>	<u>HAZARDOUS WASTE LIMITS</u>
ARSENIC	< 0.001	5.0 mg/l
BARIUM	< 0.2	100.0 mg/l
CADMIUM	0.03	1.0 mg/l
CHROMIUM-TOTAL	< 0.05	5.0 mg/l
LEAD	< 0.1	5.0 mg/l
MERCURY	< 0.0002	0.2 mg/l
SELENIUM	0.006	1.0 mg/l
SILVER	< 0.02	5.0 mg/l
COPPER	< 0.02	100.0 mg/l
CYANIDE	< 0.02	20.0 mg/l
ZINC	19.2	500.0 mg/l

Paul E. Duranceau
Paul E. Duranceau, Laboratory Director

All leaching tests and leachate analysis meet Environmental Protection Agency requirements as outlined in the May 19, 1980, Federal Register, 40 CFR 261.

Letter

RESIDUALS MANAGEMENT TECHNOLOGY, INC.

LABORATORY REPORT

CLIENT: Ideal Castings

DATE: 9/17/84

PROJECT #: 234.01

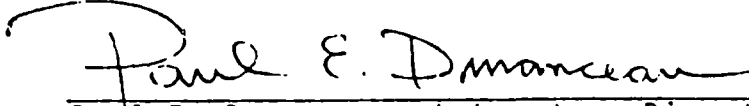
P.O. #: 7149

SAMPLE #: 7575

SAMPLE DESCRIPTION: Thow-away Green Sand from Didion Drum (7/24/84)

ASTM LEACH TEST

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNIT</u>
Total Alkalinity @ pH 4.5	110	mg/l as CaCO ₃
Arsenic	0.006	mg/l
Barium	< 0.2	mg/l
Cadmium	< 0.01	mg/l
Chloride	14.9	mg/l
Chromium - Total	< 0.05	mg/l
COD	< 20	mg/l
Copper	< 0.02	mg/l
Cyanide	< 0.05	mg/l
Fluoride	5.6	mg/l
Hardness, Total	132	mg/l as CaCO ₃
Iron	< 0.03	mg/l
Lead	< 0.005	mg/l
Manganese	0.03	mg/l
Mercury	< 0.0002	mg/l
Nickel	< 0.04	mg/l
Nitrate, Nitrogen	0.31	mg/l as N
Oil & Grease	< 4	mg/l
Phenols	< 0.025	mg/l
Selenium	< 0.001	mg/l
Silver	< 0.02	mg/l
Solids, Total Dissolved	340	mg/l
Sulfate	18.9	mg/l
Zinc	< 0.01	mg/l
TOC	7.0	mg/l
Sodium	57.5	mg/l
pH	6.9	pH units


Paul E. Duranceau, Laboratory Director

Letter

RESIDUALS MANAGEMENT TECHNOLOGY, INC.

LABORATORY REPORT

CLIENT: Ideal Castings

DATE: 9/17/84

PROJECT #: 234.01

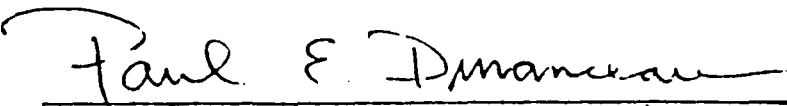
P.O. #: 7149

SAMPLE #: 7576

SAMPLE DESCRIPTION: Slag from Cupola and Cupola Lining (7/24/84)

ASTM LEACH TEST

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNIT</u>
Total Alkalinity @ pH 4.5	90	mg/l as CaCO ₃
Arsenic	0.006	mg/l
Barium	< 0.2	mg/l
Cadmium	< 0.01	mg/l
Chloride	12.9	mg/l
Chromium - Total	< 0.05	mg/l
COD	< 20	mg/l
Copper	< 0.02	mg/l
Cyanide	< 0.05	mg/l
Fluoride	1.32	mg/l
Hardness, Total	130	mg/l as CaCO ₃
Iron	0.21	mg/l
Lead	< 0.005	mg/l
Manganese	< 0.01	mg/l
Mercury	< 0.0002	mg/l
Nickel	< 0.04	mg/l
Nitrate, Nitrogen	< 0.1	mg/l as N
Oil & Grease	4	mg/l
Phenols	< 0.025	mg/l
Selenium	0.030	mg/l
Silver	< 0.02	mg/l
Solids, Total Dissolved	220	mg/l
Sulfate	59.2	mg/l
Zinc	< 0.01	mg/l
TOC	4.1	mg/l
Sodium	2.64	mg/l
pH	11.1	pH units


Paul E. Duranceau, Laboratory Director

1-11-84

Floyd Smock



Residuals Management Technology, Inc.

Great Lakes Office
P.O. Box 447
Grand Ledge, Michigan 49837
(517) 627-4044

November 29, 1984

Ideal Casting Company
900 N. Clark Street
Albion, MI 49224

Attention: Mr. Ronald L. Calvin
President

Dear Ron:

Enclosed please find documentation of the November 26, 1984 meeting with the Michigan Department of Natural Resources, Jackson District, concerning possible declassification of Ideal Casting's Throw-away Green Sand from Didion Drum and Slag from Cupola and Cupola Lining. We feel the meeting went very well and the possibility for declassification of the two wastes to either inert or site specific inert status is encouraging.

In order to have your wastes considered for declassification, the MDNR has requested that Ideal Castings submit a report requesting declassification of the two wastes. Items they requested be included in the report include the following:

1. EP Toxicity leach tests and ASTM leach tests for each waste. (The ASTM leach tests have been run.) *\$800.00*
2. Discussion of the source of fluoride in the Throw-away Green Sand. *50 %*
3. Reference the remaining wastes generated by Ideal Castings and the site of their ultimate disposal.
- RMT* → 4. Describe the sampling procedure used in gathering samples.
- RMT* → 5. Reference the non-hazardous status of the remaining wastes.
6. Discuss Ideal Castings intentions concerning disposal of the inert wastes in one or two areas versus many locations. (MDNR is requesting that the waste will not be disposed of in small amounts in many locations. Disposal of this type would make it very difficult for them to track the waste disposal locations.)
7. Discuss Ideal Castings intentions as to where/how the waste would be stored between the time of generation and disposal.
8. Address methods of keeping foreign materials out of the wastes. i.e. shovels, iron, pallets etc.

1 letter

Ideal Casting Company
November 29, 1984
Page Two

The report would then be submitted for MDNR review.

Also enclosed are discussions concerning the following subjects:

- . Additional RMT/MDNR Correspondence
- . Management Options

An economic analysis would help clarify how the various management options would affect Ideal Casting's from a "cost of disposal" standpoint. This analysis would compare the following items:

- . Total annual cost to dispose of all waste at C & C Landfill
- . Total annual cost to dispose of declassified waste at Carr Bros. (or another site you might choose) and dispose of the remaining waste at C & C Landfill. This cost would include annual ASTM leach tests as required by MDNR.

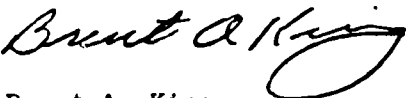
To perform the above economic analysis the following information would be needed from Ideal Castings:

1. The cost per ton (or cubic yard) that it would take for Carr Bros. to dispose of the declassified waste at their site. Or the cost per ton (or cubic yard) that it would take to dispose of the declassified waste at another site chosen by Ideal Castings. In both cases include any hauling charges if they are billed separately.
2. The cost per ton (or cubic yard) that it would take to dispose of your foundry process waste at the C & C Landfill in Marshall. Include any hauling charges if they are billed separately.

We will assist you in determining how to gather this information, if you request.

If you have any questions or comments concerning this letter or the attached information please contact me at your convenience. I would be happy to meet with you to discuss this information further if you would like.

Very truly yours,



Brent A. King
Project Engineer

Enclosure

cc: Floyd Smock, Ideal Casting
RMT, Madison

Ideal Casting Company

November 29, 1984

Page Three

The following information is taken from notes generated in a November 26, 1984 meeting with the Michigan Department of Natural Resources (MDNR), Jackson District, concerning possible declassification of two of Ideal Casting Company's foundry process wastes.

1.0 Persons Attending Meeting:

Ronald Kooistra - MDNR

Dowe Parsons - MDNR

Gene Hall - MDNR

Floyd Smock - Ideal Casting Co.

Robert Zayko - RMT

Brent King - RMT

2.0 Purpose of Meeting:

The purpose of the meeting was to present laboratory test results, analyzed by RMT, for Throw-away Green Sand from Didion Drum (ASTM Leach), Slag from Cupola and Cupola Lining (ASTM Leach) and Sludge from Cupola Drag Tank Emission Control (EP Toxicity). More specifically, the purpose was to receive MDNR input on how Ideal Castings should proceed in order to submit a petition for declassification for its Throw-away Green Sand from Didion Drum (sand) and Slag from Cupola and Cupola Lining (slag/lining).

3.0 Summary of Meeting:

RMT - Explained Ideal Castings is a grey iron foundry located in Albion, MI, that generates excess sand and other foundry process wastes. They are a foundry that is concerned about the environment and wants to do what is right in terms of meeting state and federal regulations concerning solid waste disposal. Currently their waste is being stored on site and when it is disposed of, it will go to C & C Landfill in Marshall, MI. They are here to discuss possible declassification of two of their foundry process wastes. They have preliminary test results to be discussed. There is a problem with limited landfill space in Michigan and therefore, declassification is a reasonable option for both Ideal (economics) and the state. The EP Toxicity test results for Sludge from Cupola Drag Tank Emission Control (sludge) were presented and it was pointed out that all parameters were well below levels of concern. It was explained that the materials proposed for declassification were chosen based on the large percentage of the total waste they represented - approximately 90%. It was stated that sand represents approximately 75% of the total wastes. Fluoride levels were elevated (5.6 mg/l versus the standard of 1.4 - 2.4 mg/l), however, all other parameters were below drinking water standards. It was stated that slag/lining represents approximately 15% of the wastes generated. The Selenium level was elevated (0.030 mg/l versus the standard of 0.010 mg/l) and the pH level was elevated (11.1 pH units versus the standard of 6.5 - 8.5 pH units). It was suggested that these wastes be classified as purely inert or site

Ideal Casting Company
November 29, 1984
Page Four

MDNR - Expressed appreciation for Ideal's approach of coming to the agency. Agreed both parties mutually would like to see waste disposed of properly. Explained that the Jackson district would make a recommendation, but ultimately the director has to sign the final approval.

RMT - Brought up limited landfill space issue again and stated that in many cases Type III waste must be disposed of in Type II sites because of lack of Type III sites.

MDNR - Stated they see the potential for a recommendation to declassify slag/lining but sand would probably be declassified on a site specific basis. (Because of elevated fluoride levels.)

RMT - Ideal would likely look for sources of fluoride to eliminate that restriction. Would look at raw materials and city water used in sand preparation.

MDNR - Agree, best to look at source elimination. Does Ideal use fluorspar? (No)

- Recommend a report be submitted to the Jackson District requesting declassification of the subject wastes.

RMT - Ideal will follow with a written request.

MDNR - If Ideal's remaining wastes are non-hazardous they can continue to go to the Type II site. Requested that the report reference that all remaining wastes will go to a Type II site. Report should address all wastes. Really we are requesting a total waste management report - make clear that wastes are non-hazardous. Is Ideal planning additional sample analysis? How were samples taken?

RMT - Explained that samples were taken in various locations and they were fairly representative composite samples.

MDNR - Describe how samples were taken in the report. Requested that possible uses for any declassified wastes be restricted to larger areas (single sites).

RMT - Agreed

MDNR - Where would Ideal accumulate wastes?

Ideal - Possibly have a dumpster for non-inert waste. Inert waste would be accumulated on site.

MDNR - Expressed concern about storing on the ground because of surface water runoff. Include in report, discussions of large volume use areas and how/where the material will be stored on site.

Ideal Casting Company
November 29, 1984
Page Five

good. RMT - Relative to many plants, Ideal's leach test results are very

MDNR - Will the waste be clean? (Free of broken shovels, pallets, iron, etc.) If it is clean the agency would be more easily persuaded to declassify it. Explained that waste at Carr Bros. site had "junk" in it in the past. Suggested other uses may include use as a part of concrete or asphalt.

RMT - Ideal will plan to run ASTM leach tests on the two wastes annually.

MDNR - Agreed yearly testing would be a good practice.

RMT - Suggested possible disposal of declassified waste at the Carr Bros. site as site specific.

MDNR - Expressed concern that wherever the waste is disposed of, to keep the Calhoun County Health Department informed (Ted Havens - Battle Creek 616-966-1241) and also the local township. Noted that the MDNR makes the decision concerning declassification, but other units of government should be informed.

Submit the report, and the Jackson District will make its recommendation. What would be some other possible uses of the wastes?.

RMT - Possible general fill or fill for road beds.

MDNR - Suggested a possible goal in the future would be to get area foundries to combine their inert wastes for large scale uses.

RMT - What is the status of C & C Landfill?

MDNR - Open, licensed and expanding. C & C is filling up at an accelerated rate because of other area landfills closing. C & C is accepting approximately 3000 + cu. yd. per day.

The MDNR is promoting recycling, and declassification is a form of recycling.

Meeting adjourned

4.0 Additional RMT/MDNR Correspondence

On November 28, 1984 Dowe Parsons called RMT with concerns over possible leaching of hazardous materials, from sand and slag/lining, in an acidic environment. MDNR therefore, requested that EP Toxicity tests be run on the two wastes. This will not be a yearly requirement. RMT agreed that would not be a problem, but that Ideal would have to authorize the work.

Ideal Casting Company
November 29, 1984
Page Six

5.0 Management Options

Based on the information presented in items 1 thru 4 RMT suggests the following options for Ideal Casting's consideration concerning waste declassification.

- 5.1 Contact raw material vendors (for items making up green sand) and request analyses of their products for fluoride. Also determine levels of fluoride in city water used in sand preparation. If the source of fluoride can be found and eliminated there is a good possibility for declassification of sand, without conditions. Our past experience has indicated that it is very difficult to obtain this type of information from some vendors. If that is a problem, RMT's laboratory can do a compositional analysis for fluoride for approximately \$90 per sample. To analyze your green sand we would test the raw sand and your premix.
- 5.2 Ideal Castings should decide what approach to follow concerning disposal of the following wastes (assumes declassification of sand and slag/lining):
 - a. Baghouse Dust Didion Unit
 - b. Baghouse Dust Shotblast
 - c. Shot Separating Waste
 - d. Bag From Grinders
 - e. Scrap Oil Sand
 - f. Cupola Bottom Drop
 - g. Cupola Emission Control Sludge

Ideal Castings has two options for these wastes. Either seek declassification of the wastes or continue to dispose of the wastes in a Type II landfill. Based on the quantities of these wastes generated on an annual basis, declassification may not be the most economical approach.

- 5.3 Ideal Castings should consider the storage of your wastes between the time of generation and the time of disposal. For example, declassified wastes could be stored on the ground, on a concrete or asphalt pad, in a bunker, or in a dumpster. The same options would apply to your other foundry process wastes.
- 5.4 Ideal Castings should consider whether to perform yearly ASTM leach tests on your declassified wastes. Since inert wastes are not regulated under Act 641 leach tests are not required by the act, however, the MDNR is requesting yearly ASTM leach testing as a condition of declassification. The yearly cost for this testing for Ideal's two wastes would be approximately \$1200.

- 5.5 Ideal Castings has the option of filing for waste declassification

Ideal Casting Company
November 29, 1984
Page Seven

Disposal at a Type II site is necessary because there are no Type III sites in the area and also the wastes have not been classified as Type III.

- 5.6 To pursue declassification Ideal must first run EP Toxicity leach tests on the two wastes proposed for declassification. This request was made by Dowe Parson, MDNR, to RMT in a telephone conversation on November 28, 1984. This request is not a yearly requirement. RMT has samples of these wastes stored in our laboratory, so additional sampling would not be required. The cost for running two EP Toxicity tests for 11 metals (as required by MDNR) would be approximately \$800.



ADVANCED ANALYSIS & TESTING, INC

3680 - 44th Street, S.E. • Grand Rapids, MI 49508 • (616)698-7667

December 26, 1986

Mr. Neal Henry
Ideal Castings, Inc.
900 Clark Street
Albion, Michigan 49224

Dear Mr. Henry:

Enclosed please find the analytical results of the "Foundry Waste Solids" collected at your facility on the 17th of this month.

The results have been listed in order of collection at the site.

The parameters listed are those required by the "EP Toxicity Extraction Procedure", with the added Michigan parameters.

All of the parameters fall well below the "maximum allowable limits" for those parameters. I have included a listing of those limits on a separate page at the back of this report.

This information should be used to re-classify your disposal procedures for the solid wastes tested.

If you have any questions concerning this information, please contact me at any time.

Sincerely;

A handwritten signature in cursive script that reads 'Larry W. Tester'.

Larry W. Tester
Chemist/Environmental Services

LWT/llt

Enclosures

Letter



ADVANCED ANALYSIS & TESTING, INC

3680 - 44th Street, S.E. • Grand Rapids, MI 49508 • (616)698-7667

December 26, 1986

TO: Mr. Neal Henry
Ideal Castings, Inc.
900 Clark Street
Albion, Michigan 49224

RE: Analysis of samples identified as "Foundry Waste Solids"; samples collected by AAT personnel at the facility located at 900 Clark Street, Albion, Michigan; samples collected and received - 12/17/86; analysis required - EP Toxicity (including Michigan parameters).

=====

The results are as follows:

-SAMPLE IDENTIFICATION-

<u>-PARAMETERS-</u>	AAT#3747-1 "Oil Sand"	AAT#3747-2 "Air Pollution Scrubber Sludge"	AAT#3747-3 "Wheelabrator Dust, after collector"
Arsenic, mg/l	<0.05	<0.05	<0.05
Barium, mg/l	<1	<1	<1
Cadmium, mg/l	<0.01	<0.01	<0.01
Chromium(total), mg/l	<0.1	<0.1	<0.1
Copper, mg/l	<0.01	0.02	0.03
Lead, mg/l	<0.1	0.4	<0.1
Mercury, mg/l	<0.005	<0.005	<0.005
Selenium, mg/l	<0.05	<0.05	<0.05
Silver, mg/l	<0.1	<0.1	<0.1
Zinc, mg/l	<0.1	<0.1	<0.1
Cyanide(total), mg/l	<0.01	<0.01	<0.01

=====

Letter

(r. Neal Henry
Ideal Castings, Inc.
December 26, 1986
Page 2

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-SAMPLE IDENTIFICATION-

-PARAMETERS-

	AAT#3747-4 <u>"Grinding Dust"</u>	AAT#3747-5 <u>"Green Molding Sand"</u>	AAT#3747-6 <u>"Acid/Resin Sand"</u>
Arsenic, mg/l	<0.05	<0.05	<0.05
Barium, mg/l	<1	<1	<1
Cadmium, mg/l	<0.01	<0.01	<0.01
Chromium(total), mg/l	<0.1	<0.1	<0.1
Copper, mg/l	0.02	0.03	0.06
Lead, mg/l	0.4	<0.1	<0.1
Mercury, mg/l	<0.005	<0.005	<0.005
Selenium, mg/l	<0.05	<0.05	<0.05
Silver, mg/l	<0.1	<0.1	<0.1
Zinc, mg/l	<0.1	<0.1	0.3
Cyanide(total), mg/l	<0.01	<0.01	<0.01

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continued

Mr. Neal Henry
Ideal Castings, Inc.
December 26, 1986
Page 3

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-SAMPLE IDENTIFICATION-

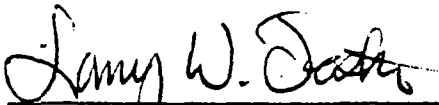
<u>-PARAMETERS-</u>	AAT#3747-7 "Shakeout Dust Collector"	AAT#3747-8 "Wheelabrator before Collector"	AAT#3747-9 "Casting Slag"
Arsenic, mg/l	<0.05	<0.05	<0.05
Barium, mg/l	<1	<1	<1
Cadmium, mg/l	<0.01	<0.01	<0.01
Chromium(total), mg/l	<0.1	<0.1	<0.1
Copper, mg/l	0.05	<0.01	<0.01
Lead, mg/l	<0.1	<0.1	<0.1
Mercury, mg/l	<0.005	<0.005	<0.005
Selenium, mg/l	<0.05	<0.05	<0.05
Silver, mg/l	<0.1	<0.1	<0.1
Zinc, mg/l	<0.1	<0.1	<0.1
Cyanide(total), mg/l	<0.01	<0.01	<0.01

=====

All analysis is in accordance with "Test Methods for Evaluating Solid Wastes";
EPA-SW-846, 1980.

=====

ANALYSIS PERFORMED BY:



Larry W. Tester
Chemist/Environmental Services

Job #3747



ADVANCED ANALYSIS & TESTING, INC
3680 - 44th Street, S.E. • Grand Rapids, MI 49508 • (616)698-7667

"EP TOXICITY LIMITS"

(including Michigan parameters)

<u>-PARAMETERS-</u>		<u>-LIMITS, mg/l-</u>
Arsenic	=	5.0
Barium	=	100.0
Cadmium	=	1.0
Copper	=	100.0
Chromium	=	5.0
Cyanide(s)	=	20.0
Lead	=	5.0
Mercury	=	0.2
Selenium	=	1.0
Silver	=	5.0
Zinc	=	500.0

CARR BROTHERS & SONS, INC.13613 East Erie Road
ALBION, MICHIGAN 49224

1165

(517) 531-3058

DATE	8/27/87
CUSTOMER ORDER NO.	
SALESPERSON	
VIA	

TO Ideal Castings Co.
900 N. Clark St.
Albion, MI 49224Paid On 9/19/87Check No. 9099Account No. 1130

TERMS:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	7/21/87 thru 8/27/87 Haul Foundry Sand to C & C Landfill - 14800 P Drive N.		
33 hrs.	Truck #26	65.00	2145 00
27½ hrs.	Clark Loader	55.00	1512 50
2½ hrs.	D-3 Dozer	50.00	125 00
428 yds.	Foundry Sand - dump charge	6.00	2568 00
			6350 50
	C & C Landfill Slips enclosed.		

ORIGINAL

Thank You!

Letter

Landfill

Notes should be made in duplicate with one copy for customer. To n-
carbon between the sheets - or detach and fill out each copy &

C & C Landfill

Lyon Development Company

5380 Milford Road
New Hudson, Michigan 48165

Office
(313) 437-4185

P Dr
Marshal
(816)

PROMISSORY NOTE

Sold To CARR BROS. Date 8-2

Quantity	Description	Received, I,
18	YDS.	
	FOUNDRY SAND	
	E.H.G. YD.	

Date _____
to the order of _____
follows: _____
to be paid, at the rate of _____
or annum, from date payment is due

Nº 118499 Received By James E. R...

(FOR SIGNATURE OF CUSTOMER)

(ADDITIONAL SIGNATURE IF AVAILABLE)

SEALED IN PRESENCE OF:

(WITNESS)

THIS is a true and correct copy of the original as shown to me by the person who presented it to me.

Truck #26
Haul Foundry Sand to C & C Landfill - dump charge
Slips and

With
per

For

Promissory
Note

Bay Development Company

5380 Milford Road
New Hudson, Michigan 48165

Office
810-437-4100

Ph
P Drive North
Marshall, Michigan
18181 781-8742

Sold To CARR BROS. Date 8-16-87

Quantity	Description	Lot No.
18	YDS.	
	FOUNDRY SAND	
	#6 YD.	

Received By James E. Price

October 13, 1988

Nancy Justus
U.S. Environmental Protection Agency
230 South Dearborn Street
Chicago, Illinois 60604

RECEIVED
OCT 17 1988


SUPERFUND PROGRAM
MANAGEMENT BRANCH

Dear Nancy:

Ideal Castings was closed in May 1987, and Ron Calvin who started in 1979 and Floyd Smock who started in 1972 neither have any knowledge of any dumping and/or disposing at the Albion-Sheridan Landfill.

Ideal whose material is foundry sand had requested for inert materials. Sand had been tested on several occasions with copies attached of which none showed an hazardous materials.

Ideal sand was hauled to M&R landfill in Marshall, Michigan.



Ronald L. Calvin



Floyd A. Smock